

FORM PTO-1449 U.S. Department of Commerce Patent & Trademark Office  <b>INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)	Attorney Docket No. 381NT/49740	Serial No. 09/763,971
	Applicant: Yasunaga HAMADA et al.	
	Filing Date September 13, 2003	Group 3754

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date (if appropriate)
EK	AA	5,992,391	11/30/99	Yamakado et al.	—	—	
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						

FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Country	Class	Sub-Class	TRANSLATION	
							Yes	No
EK	AK	62-225760	10/3/87	Japan	—	—		
↑	AL	7-42648	2/10/95	Japan	—	—		
	AM	10-293940	11/4/98	Japan	—	—		
↓	AN	4-198266	7/17/92	Japan	—	—		
	AO	9-115726	5/2/97	Japan	—	—		
EK	AP	10-89518	4/10/98	Japan	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		
EK	AQ	Microfilm of the specification and drawings annexed to the request of Japanese Utility Model Application No. 142730, April 20, 1982, pp.2-4
	AR	
	AS	

EXAMINER <i>Lee Beasly</i>	DATE CONSIDERED <i>3 MAR 2006</i>
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.	

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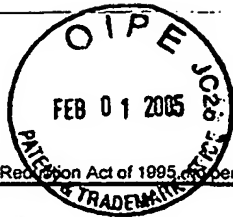
FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Country	Class	Sub-Class	TRANSLATION	
							Yes	No
EK	AK	WO 91/11611	8/8/91	PCT	—	—		
EK	AL	1427995	3/10/76	Great Britain	—	—		
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	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
	AQ						
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EXAMINER *Eui Hwang*

DATE CONSIDERED 3MAR2006

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PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>	
		Application Number	10/727,555
		Filing Date	December 5, 2003
		First Named Inventor	Yasunaga HAMADA
		Art Unit	
Sheet 1 of 1	Examiner Name	Attorney Docket Number	056208.49740D1

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
EIC		US- 5,710,475	01-20-1998	Irwin et al.	
		US- 6,992,291	11-30-1999	Yamakado et al.	
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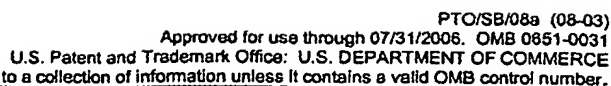
FOREIGN PATENT DOCUMENTS							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)					
		JP 62-225760		10-03-1987	Nippon Denso Co Ltd		AB
		JP 04-188286		07-17-1992	Toyobo Co Ltd		AB
		JP 07-042848		02-10-1995	Hitachi Ltd and Hitachi Automot Eng Co Ltd		AB
EK		DE 198 29 589 A1		01-28-1998	Robert Bosch GmbH		
EK		EP 0 977 190 A1		02-02-2000	Kureha Kagaku Kogyo Kabushiki Kaisha		
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Examiner Signature	<i>E. K. Kessler</i>	Date Considered	3 MAR 2006
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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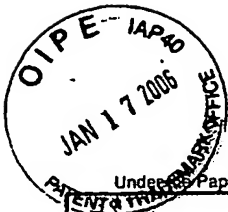
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Examiner Signature	<i>E. Hessel</i>	Date Considered	3 MAR 2006
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		First Named Inventor	Yasunaga HAMADA
		Art Unit	3747
Sheet 1 of 1	Examiner Name	(To Be Assigned)	
	Attorney Docket Number	056208.49740D1	

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		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>2</sup> -Number <sup>3</sup> -Kind Code <sup>4</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EK	AA	Japanese Office Action dated September 13, 2005 including English translation. (Eight (8) pages).	

Examiner Signature	<i>E. J. Hand</i>	Date Considered	3 MAR 2006
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